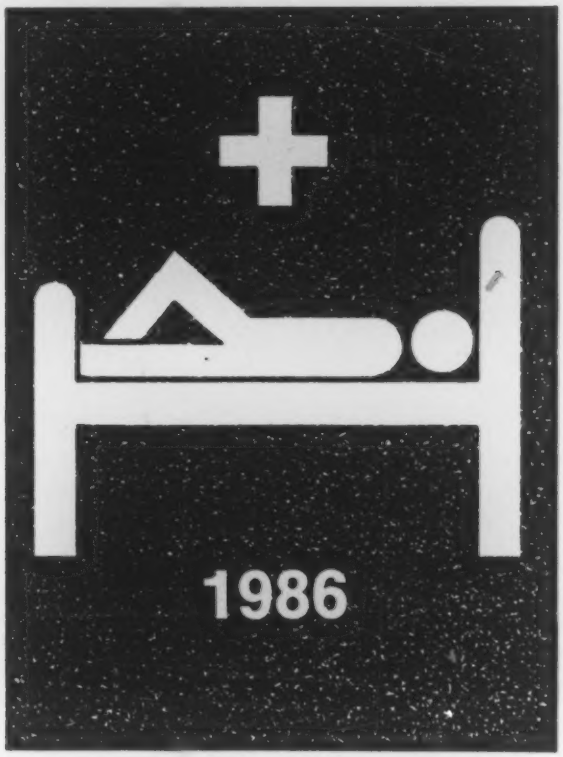
Texas Occupational Employment Statistics

Industry Staffing Patterns



Hospitals

TEXAS EMPLOYMENT COMMISSION
In cooperation with the U.S. Department of Labor
Bureau of Labor Statistics
Issued June 1988

TEXAS OCCUPATIONAL EMPLOYMENT STATISTICS

INDUSTRY STAFFING PATTERNS FOR HOSPITALS

April 1986

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PREFACE

This publication summarizes the results of an occupational employment survey of hospitals in Texas.

This report is the product of a Federal-State Cooperative Program. The Bureau of Labor Statistics (BLS) developed the procedures and provided technical assistance. The Department of Labor through BLS funded the project and was responsible for the administrative aspects of the program. The Texas Employment Commission collected and analyzed the data, provided the necessary computer services, and published the findings.

Special thanks are extended to the many cooperating employers who provided the survey data which made this publication possible.

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INTRODUCTION

The Occupational Employment Statistics (OES) Program is an ongoing Federal-State Cooperative Program that produces current estimates of industry staffing patterns by occupation through periodic surveys of the nonfarm wage and salary sector of the Texas economy. It consists of three parts: the OES survey, the industry-occupation matrix, and projections. This publication presents the results of the survey phase.

The program's primary purpose is to collect and summarize current occupational data by industry which will be used to measure and define occupational needs and trends. The data will also be used to refine and modify the worker-demand projections generated through the Industry-Occupation Matrix. The OES program has continued to expand and develop in order to meet the changing needs of data users, such as companies considering new plant locations, business firms involved in research projects, vocational education groups developing curricula, as well as Private Industry Councils, job-seekers, guidance counselors, community leaders, chambers of commerce, students, etc.

Occupational staffing patterns are presented for hospitals. Data was provided by Texas employers for the survey week of April 12, 1986.

This publication and other industry publications will be updated at three-year intervals to provide a better basis for decision-making at all levels of human resource planning and development. Other publications providing industry and occupational data are available from the Texas Employment Commission upon request.

METHODOLOGY

THE SAMPLE

The Unemployment Insurance (ES-202) hospital universe file was used. This survey included private, State Government, and Local Government hospitals. Excluded were Federal Government and prison hospitals.

COLLECTION PROCEDURES

The majority of the data was collected by mail. Each hospital received a structured schedule for their specific industry. The survey form includes instructions, occupational titles and definitions, establishment identification, and a three-digit SIC description. An open-end feature allows respondents to report occupations not listed or new emerging occupations.

Survey procedures included three follow-up mailings to nonrespondents. The telephone was used extensively to clarify data and to canvass critical nonrespondents.

SAMPLING ERROR

No sampling error because universe employment was used.

NONSAMPLING ERROR

Nonsampling error results from several aspects of the survey process, such as respondent error, processing errors, questionnaire design, etc. It cannot be measured with reasonable precision, therefore, survey procedures and estimating processes have been designed to minimize it.

CONSIDERATIONS IN USING THE ESTIMATES

ROUNDING AND OCCUPATIONS WITH LESS THAN TEN EMPLOYMENT

All estimates were rounded to the nearest ten (10). The percent distribution column may not add up to one hundred percent (100%) because of the computer rounding procedure.

Occupations with employment less than ten (10) were combined with a relevant "all other" category. "N.A." means not applicable.

The employment count reflects the number of jobs and not the number of persons holding jobs.

SIC 806 HOSPITALS
REFERENCE DATE : APRIL 12, 1986

OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
TOTAL	214,540	100.00	-	-
MANAGERIAL AND ADMINISTRATIVE OCCUPATIONS	9,240	4.23	N.A.	N.A.
FINANCIAL MANAGERS	510	0.23	1.91	65.13
PERSONNEL, TRAINING, AND LABOR RELATIONS MANAGERS	420	0.19	2.32	50.12
PURCHASING MANAGERS	320	0.14	1.92	53.35
MARKETING, ADVERTISING, & PUBLIC RELATIONS MANAGERS	290	0.13	2.23	41.11
ADMINISTRATIVE SERVICES MANAGERS	320	0.14	6.97	22.86
ENGINEERING, MATHEMATICAL, AND NATURAL SCIENCES MANAGERS	250	0.11	7.24	21.48
MEDICINE AND HEALTH SERVICES MANAGERS	3,130	1.45	2.84	84.76
FOOD SERVICE AND LODGING MANAGERS	470	0.21	2.32	59.35
GENERAL MANAGERS AND TOP EXECUTIVES	1,330	0.61	3.57	84.76
ALL OTHER MANAGERS AND ADMINISTRATORS	2,200	1.02	3.67	39.72
PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL OCCUPATIONS	114,490	53.06	N.A.	N.A.
ACCOUNTANTS, AUDITORS, AND OTHER FINANCIAL SPECIALISTS	750	0.34	N.A.	N.A.
ACCOUNTANTS AND AUDITORS	480	0.22	3.63	37.41
BUDGET ANALYSTS	70	0.03	4.77	10.39
ALL OTHER FINANCIAL SPECIALISTS	200	0.09	10.40	10.16
PURCHASING AGENTS, EXCEPT WHOLESALE AND RETAIL TRADE, AND FARM PRODUCTS	340	0.15	3.69	37.64
PERSONNEL, TRAINING, AND LABOR RELATIONS SPECIALISTS	350	0.16	3.24	26.10
COMPLIANCE OFFICERS AND ENFORCEMENT INSPECTORS, EXCEPT CONSTRUCTION	100	0.04	9.69	8.78
ALL OTHER MANAGEMENT SUPPORT WORKERS	530	0.24	6.81	14.09
ENGINEERS	330	0.13	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERS	40	0.01	12.53	3.93
INDUSTRIAL ENGINEERS, EXCEPT SAFETY	30	0.01	10.85	3.70
MECHANICAL ENGINEERS	120	0.05	6.71	11.55
ALL OTHER ENGINEERS	140	0.06	N.A.	N.A.
ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	250	0.11	N.A.	N.A.
ELECTRICAL AND ELECTRONIC ENGINEERING TECHNICIANS AND TECHNOLOGISTS	90	0.04	13.95	3.23
MECHANICAL ENGINEERING TECHNICIANS AND TECHNOLOGISTS	30	0.01	20.53	1.39
ALL OTHER ENGINEERING AND RELATED TECHNICIANS AND TECHNOLOGISTS	130	0.06	N.A.	N.A.
LIFE SCIENTISTS	1,570	0.72	N.A.	N.A.
BIOLOGICAL SCIENTISTS	520	0.24	25.59	4.85
ALL OTHER LIFE SCIENTISTS	1,050	0.48	N.A.	N.A.
PHYSICAL AND LIFE SCIENCE TECHNICIANS AND TECHNOLOGISTS	350	0.16	N.A.	N.A.
COMPUTER SCIENTISTS AND RELATED WORKERS	700	0.31	N.A.	N.A.

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
SYSTEMS ANALYSTS, ELECTRONIC DATA PROCESSING	300	0.13	6.16	10.62
COMPUTER PROGRAMMERS	270	0.12	5.79	12.93
COMPUTER PROGRAMMER AIDES	130	0.06	7.94	9.47
SOCIAL SCIENTISTS, INCLUDING URBAN AND REGIONAL PLANNERS	310	0.14	N.A.	N.A.
SOCIAL WORKERS, MEDICAL AND PSYCHIATRIC	1,820	0.84	7.20	39.26
SOCIAL WORKERS, EXCEPT MEDICAL AND PSYCHIATRIC	370	0.17	9.42	15.24
SOCIAL SERVICE TECHNICIANS	210	0.09	16.93	10.39
RELIGIOUS WORKERS	230	0.10	N.A.	N.A.
CLERGY	230	0.10	4.96	18.24
NURSING INSTRUCTORS	440	0.20	5.83	22.17
TEACHERS AND INSTRUCTORS, VOCATIONAL EDUCATION AND TRAINING	260	0.12	11.48	9.93
ALL OTHER TEACHERS AND INSTRUCTORS	320	0.14	8.77	11.32
LIBRARIANS, PROFESSIONAL	70	0.03	11.04	6.93
TECHNICAL ASSISTANTS, LIBRARY	20	0.00	12.02	3.00
PHYSICIANS AND SURGEONS	1,830	0.85	14.88	17.09
DENTISTS	50	0.02	10.06	4.39
ALL OTHER HEALTH DIAGNOSING AND TREATING PRACTITIONERS	30	0.01	N.A.	N.A.
RESPIRATORY THERAPISTS	3,120	1.45	2.08	62.59
OCCUPATIONAL THERAPISTS	630	0.29	4.76	21.25
PHYSICAL THERAPISTS	1,200	0.55	2.65	51.27
CORRECTIVE AND MANUAL ARTS THERAPISTS	40	0.01	19.54	1.85
SPEECH PATHOLOGISTS AND AUDIOLOGISTS	130	0.06	6.02	9.70
RECREATIONAL THERAPISTS	290	0.13	6.94	15.70
ALL OTHER THERAPISTS	290	0.13	8.52	9.47
REGISTERED NURSES	47,250	22.02	0.35	98.38
LICENSED PRACTICAL NURSES	24,960	11.63	2.05	97.23
EMERGENCY MEDICAL TECHNICIANS	630	0.29	6.31	18.71
PHYSICIAN'S ASSISTANTS	330	0.15	15.97	7.16
PHARMACISTS	2,490	1.16	2.75	63.74
DIETITIANS AND NUTRITIONISTS	790	0.36	2.24	55.66
DIETETIC TECHNICIANS	580	0.27	4.81	32.10
MEDICAL AND CLINICAL LABORATORY TECHNOLOGISTS	4,740	2.20	2.09	76.21
MEDICAL AND CLINICAL LABORATORY TECHNICIANS	2,880	1.34	3.10	69.05
MEDICAL RECORDS TECHNICIANS AND TECHNOLOGISTS	1,360	0.63	2.58	74.36
NUCLEAR MEDICINE TECHNOLOGISTS	420	0.19	3.96	32.33
RADIOLOGIC TECHNOLOGISTS	2,230	1.03	2.53	56.35
RADIOLOGIC TECHNICIANS	1,800	0.83	2.33	66.28
ELECTROENCEPHALOGRAPH TECHNICIANS AND TECHNOLOGISTS	310	0.14	3.56	27.71
ELECTROCARDIOGRAPH TECHNICIANS AND TECHNOLOGISTS	700	0.32	2.88	33.72
SURGICAL TECHNICIANS	2,050	0.95	2.94	54.73
ALL OTHER HEALTH PROFESSIONALS, PARAPROFESSIONALS, AND TECHNICIANS	3,130	1.45	N.A.	N.A.

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
PUBLIC RELATIONS SPECIALISTS AND PUBLICITY WRITERS	200	0.09	3.51	24.25
PHOTOGRAPHERS	120	0.05	9.73	7.39
ALL OTHER PROFESSIONAL, PARAPROFESSIONAL, AND TECHNICAL WORKERS	590	0.27	N.A.	N.A.
SALES AND RELATED OCCUPATIONS	980	0.44	N.A.	N.A.
CASHIERS	940	0.43	2.66	44.11
ALL OTHER SALES AND RELATED WORKERS	40	0.01	14.69	2.77
CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	36,430	16.86	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-CLERICAL AND ADMINISTRATIVE SUPPORT OCCUPATIONS	1,910	0.89	3.28	62.82
ADJUSTMENT CLERKS	340	0.15	5.99	16.63
MEDICAL SECRETARIES	2,230	1.03	4.87	55.43
ALL OTHER SECRETARIES	3,680	1.71	4.10	54.97
STENOGRAPHERS	90	0.04	8.36	5.31
RECEPTIONISTS AND INFORMATION CLERKS	1,170	0.54	5.46	38.57
TYPISTS	2,820	1.31	7.60	61.20
TYPISTS, WORD PROCESSING EQUIPMENT	240	0.11	6.23	14.32
PERSONNEL CLERKS, EXCEPT PAYROLL AND TIMEKEEPING	350	0.16	2.67	34.64
FILE CLERKS	970	0.45	7.28	32.10
ORDER CLERKS, MATERIALS, MERCHANDISE, AND SERVICE	170	0.07	5.36	14.09
PROCUREMENT CLERKS	320	0.14	4.06	31.87
STATISTICAL CLERKS	1,100	0.51	3.78	41.34
INTERVIEWING CLERKS, EXCEPT PERSONNEL AND SOCIAL WELFARE	2,320	1.08	3.02	47.81
BOOKKEEPING, ACCOUNTING, AND AUDITING CLERKS	1,250	0.58	5.73	62.36
PAYROLL AND TIMEKEEPING CLERKS	330	0.15	2.66	46.19
BILLING, COST AND RATE CLERKS	1,860	0.86	2.56	72.29
GENERAL OFFICE CLERKS	7,470	3.48	3.80	76.67
ELECTRONIC DATA PROCESSING AND OTHER OFFICE MACHINE OPERATORS	1,740	0.79	N.A.	N.A.
BILLING, POSTING, AND CALCULATING MACHINE OPERATORS	140	0.06	6.75	11.32
COMPUTER OPERATORS, EXCEPT PERIPHERAL EQUIPMENT	520	0.24	3.42	29.10
DATA ENTRY KEYERS, EXCEPT COMPOSING	980	0.45	4.61	48.04
ALL OTHER OFFICE MACHINE OPERATORS	100	0.04	11.82	6.00
SWITCHBOARD OPERATORS	1,890	0.88	1.84	72.98
MATERIAL RECORDING, SCHEDULING, DISPATCHING, AND DISTRIBUTING WORKERS	2,390	1.10	N.A.	N.A.
DISPATCHERS- POLICE, FIRE, AND AMBULANCE	60	0.02	13.74	2.77
STOCK CLERKS- STOCKROOM, WAREHOUSE OR STORAGE YARD	1,870	0.87	3.67	55.43
TRAFFIC, SHIPPING, AND RECEIVING CLERKS	260	0.12	5.54	20.09

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ALL OTHER MATERIAL RECORDING, SCHEDULING, AND DISTRIBUTING WORKERS	200	0.09	17.24	6.47
ALL OTHER CLERICAL AND ADMINISTRATIVE SUPPORT WORKERS	1,790	0.83	3.94	36.03
SERVICE OCCUPATIONS	45,780	21.18	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, SERVICE	3,030	1.40	N.A.	N.A.
HOUSEKEEPERS	1,940	0.90	5.18	73.90
ALL OTHER SERVICE SUPERVISORS AND MANAGER/SUPERVISORS	1,090	0.50	3.05	40.65
GUARDS AND WATCH GUARDS	1,840	0.85	8.46	27.02
FOOD AND BEVERAGE PREPARATION AND SERVICE WORKERS	9,260	4.25	N.A.	N.A.
WAITERS AND WAITRESSES	80	0.03	17.34	2.08
FOOD SERVERS, OUTSIDE	1,750	0.81	4.53	31.41
DINING ROOM AND CAFETERIA ATTENDANTS, AND BARTENDER HELPERS	530	0.24	7.09	16.17
COUNTER ATTENDANTS, LUNCHROOM, COFFEE SHOP, OR CAFETERIA	380	0.17	5.22	16.17
BAKERS, BREAD AND PASTRY	170	0.07	4.73	17.78
COOKS, INSTITUTION OR CAFETERIA	2,120	0.98	1.55	84.06
COOKS, SHORT ORDER	150	0.06	7.44	8.55
FOOD PREPARATION WORKERS	3,040	1.41	2.99	61.89
ALL OTHER FOOD SERVICE WORKERS	1,040	0.48	5.93	22.40
HEALTH SERVICE AND RELATED WORKERS	22,290	10.34	N.A.	N.A.
DENTAL ASSISTANTS	50	0.02	9.69	3.93
MEDICAL ASSISTANTS	1,000	0.46	4.25	29.56
NURSING AIDES, ORDERLIES, AND ATTENDANTS	12,460	5.80	3.37	83.83
HOME HEALTH AIDES	440	0.20	6.96	18.94
PSYCHIATRIC AIDES	3,540	1.64	11.36	10.16
PHYSICAL AND CORRECTIVE THERAPY ASSISTANTS AND AIDES	840	0.39	3.36	34.87
OCCUPATIONAL THERAPY ASSISTANTS AND AIDES	290	0.13	13.35	8.55
AMBULANCE DRIVERS AND ATTENDANTS, EXCEPT EMERGENCY MEDICAL TECHNICIANS	70	0.03	9.16	5.31
PHARMACY ASSISTANTS	1,570	0.73	2.95	51.27
ALL OTHER HEALTH SERVICE WORKERS	2,030	0.94	5.11	31.64
CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	9,000	4.18	N.A.	N.A.
MAIDS AND HOUSEKEEPING CLEANERS	6,380	2.97	3.22	75.75
JANITORS & CLEANERS, EXCEPT MAIDS & HOUSEKEEPING CLEANERS	2,450	1.14	6.29	53.81
ALL OTHER CLEANING AND BUILDING SERVICE WORKERS, EXCEPT PRIVATE HOUSEHOLDS	170	0.07	8.57	6.93
CHILD CARE WORKERS	130	0.06	12.72	2.77
ALL OTHER SERVICE WORKERS	230	0.10	N.A.	N.A.
AGRICULTURAL, FORESTRY, FISHING, AND RELATED OCCUPATIONS	470	0.20	N.A.	N.A.

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OCCUPATION	EMPLOYMENT	PERCENT OF TOTAL EMPLOYMENT	RELATIVE ERROR (IN %)	ESTABLISHMENTS REPORTING OCCUPATION (%)
FIRST LINE SUPERVISORS-AGRICULTURAL, FORESTRY, FISHING, & RELATED OCCUPATIONS	20	0.00	16.83	2.77
GARDENERS AND GROUNDSKEEPERS, EXCEPT FARM	410	0.19	4.83	34.64
ALL OTHER AGRICULTURAL, FORESTRY, FISHING, & RELATED WORKERS	40	0.01	35.52	0.69
PRODUCTION, CONSTRUCTION, OPERATING, MAINTENANCE, AND MATERIAL HANDLING OCCUPATIONS	7,150	3.20	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE, AND RELATED OCCUPATIONS	540	0.24	N.A.	N.A.
FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS, MECHANICS, INSTALLERS, AND REPAIRERS	310	0.14	4.51	26.10
ALL OTHER FIRST LINE SUPERVISORS AND MANAGER/SUPERVISORS-PRODUCTION, CONSTRUCTION, MAINTENANCE AND RELATED	230	0.10	5.80	13.86
MACHINERY MAINTENANCE MECHANICS	380	0.17	5.51	12.47
MAINTENANCE REPAIRERS, GENERAL UTILITY	1,760	0.82	3.08	66.28
HEATING, AIR CONDITIONING, AND REFRIGERATION MECHANICS AND INSTALLERS	260	0.12	4.25	18.01
ELECTROMEDICAL AND BIOMEDICAL EQUIPMENT REPAIRERS	360	0.16	4.59	18.48
MENDERS- GARMENTS, LINENS, AND RELATED	90	0.04	9.58	8.31
ALL OTHER MECHANICS, INSTALLERS, AND REPAIRERS	130	0.06	7.36	6.70
CONSTRUCTION TRADES WORKERS, EXCEPT MATERIAL MOVING	980	0.45	N.A.	N.A.
CARPENTERS	310	0.14	4.75	13.63
ELECTRICIANS	260	0.12	4.32	16.40
PAINTERS AND PAPERHANGERS, CONSTRUCTION AND MAINTENANCE	280	0.13	3.47	18.71
PLUMBERS, PIPEFITTERS, AND STEAMFITTERS	130	0.06	7.22	9.01
EXTRACTIVE AND RELATED WORKERS- INCLUDING BLASTERS	50	0.02	11.05	3.23
PRECISION PRODUCTION OCCUPATIONS	70	0.03	13.63	4.39
MACHINE SETTERS, SET-UP OPERATORS, AND TENDERS, EXCEPT METAL AND PLASTIC	1,300	0.58	N.A.	N.A.
LAUNDRY AND DRYCLEANING MACHINE OPERATORS AND TENDERS, EXCEPT PRESSING	960	0.44	4.50	28.41
PRESSING MACHINE OPERATORS AND TENDERS- TEXTILE, GARMENT, AND RELATED MATERIALS	160	0.07	15.60	4.16
BOILER OPERATORS AND TENDERS, LOW PRESSURE	110	0.05	7.70	6.47
ALL OTHER MACHINE SETTERS AND SET-UP OPERATORS, EXCEPT METAL AND PLASTIC	20	0.00	N.A.	N.A.
ALL OTHER MACHINE OPERATORS AND TENDERS, EXCEPT METAL AND PLASTIC	50	0.02	9.57	4.16
HAND WORKING OCCUPATIONS, INCLUDING ASSEMBLERS & FABRICATORS	40	0.01	21.30	2.08
PLANT AND SYSTEM WORKERS	210	0.08	N.A.	N.A.

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STATIONARY ENGINEERS	170	0.07	8.83	6.00
ALL OTHER PLANT AND SYSTEM OPERATORS	40	0.01	18.82	1.85
MOTOR VEHICLE OPERATORS	340	0.15	N.A.	N.A.
TRUCK DRIVERS, LIGHT, INCLUDE DELIVERY & ROUTE WORKERS	290	0.13	6.92	9.47
ALL OTHER MOTOR VEHICLE OPERATORS	50	0.02	10.81	4.39
PARKING LOT ATTENDANTS	150	0.06	15.39	3.70
ALL OTHER TRANSPORTATION & MATERIAL MOVING EQUIPMENT OPERATORS	20	0.00	20.36	1.39
HELPERS, LABORERS,& MATERIAL MOVERS, HAND- EXCLUDE AGRICULTURE AND FORESTRY LABORERS	470	0.21	8.75	10.16

GLOSSARY OF TERMS

ES-202, Quarterly Report of Employment and Wages: A listing of all employing units, within the state, covered under the Unemployment Insurance Law.

Establishment: An economic unit which produces goods or services. In most instances, each establishment is a single physical location and is engaged in one predominate type of economic activity for which an industry code is applicable. Establishments are also referred to as reporting units.

Standard Industrial Classification (SIC): The SIC is the classification of establishments by type of economic activity in which engaged. It is a classification of establishment, rather than legal entities or enterprises by kinds of business, and not by occupations or commodities. It encompasses all economic activity.

Universe: Total establishments or units covered under tne ES-202 Quarterly Report of Employment and Wages.